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RAW SEQUENCE LISTING DATE: 09/26/2000
 PATENT APPLICATION: US/09/662,052 TIME: 12:01:08

Input Set : A:\Seqlist.txt
 Output Set: N:\CRF3\09262000\I662052.raw

ENTERED

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4 <110> APPLICANT: Vajnik, Vandanna
5     Samuels, Herbert
6     Li, Dangsheng
8 <120> TITLE OF INVENTION: NRIF3, A Novel Co-Activator for Nuclear
9     Hormone Receptors
11 <130> FILE REFERENCE: 5986/1G098-US1
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/662,052
C--> 14 <141> CURRENT FILING DATE: 2000-09-15
16 <150> PRIOR APPLICATION NUMBER: US 60/154,347
17 <151> PRIOR FILING DATE: 1999-09-17
19 <160> NUMBER OF SEQ ID NOS: 10
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 5
25 <212> TYPE: PRT
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <221> NAME/KEY: UNSURE
30 <222> LOCATION: (2)...(3)
31 <223> OTHER INFORMATION: Conserved motif for SRC-1 amd CBP/p300 with
32     nuclear receptors;
33     Xaa represents any amino acid
35 <400> SEQUENCE: 1
W--> 36 Leu Xaa Xaa Leu Leu
37     1             5
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 5
41 <212> TYPE: PRT
42 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
45 <221> NAME/KEY: UNSURE
46 <222> LOCATION: (2)...(3)
47 <223> OTHER INFORMATION: Domain of NRIF3 that interacts with liganded
48     receptors;
49     Xaa represents any amino acid
51 <400> SEQUENCE: 2
W--> 52 Leu Xaa Xaa Ile Leu
53     1             5
55 <210> SEQ ID NO: 3
56 <211> LENGTH: 592
57 <212> TYPE: DNA
58 <213> ORGANISM: Homo Sapien
60 <400> SEQUENCE: 3
61 cagcggcagt ggtgctttcc cgaatctcag aatgcctgtt aaaagatcac tgaagttgga      60
62 tggctgttta gaagaaaatt catttgatcc ttcaaaaatc aaggaagaaa gtgttataac      120
63 ttattctcca acaactggaa cttgtcaaat gagtctattt gcttctccca caagttctga      180
64 agagcaaaag cacagaaatg gactatcaaa tgaaaagaga aaaaaattga atcaccagat      240

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65 ttaactgaaa gcaaagaatc tacaacaaaa gacaatgatg aattcatgat gttgctatca 300
66 aaagttgaga aattgtcaga agaaatcatg gagataatgc aaaatttaag tagtatacag 360
67 gctttggagg gcagtagaga gcttgaaaat ctcattggaa tctcctgtgc atcacatttc 420
68 taaaaagaga aatgcagaaa accaaagaac taatgacaaa gtgaataaac aaaactgttt 480
69 gaaaagagta caggacttcc tcacaaagca tcacgtcatc ttgacagcta tgaattcctt 540
70 aaagcatttt aaactgaggc attaagaaga aatgcactca ccatgagcac ca 592
72 <210> SEQ ID NO: 4
73 <211> LENGTH: 177
74 <212> TYPE: PRT
75 <213> ORGANISM: Homo Sapien
77 <400> SEQUENCE: 4
78 Met Pro Val Lys Arg Ser Leu Lys Leu Asp Gly Leu Leu Glu Glu Asn
79 1 5 10 15
80 Ser Phe Asp Pro Ser Lys Ile Thr Arg Lys Lys Ser Val Ile Thr Tyr
81 20 25 30
82 Ser Pro Thr Thr Gly Thr Cys Gln Met Ser Leu Phe Ala Ser Pro Thr
83 35 40 45
84 Ser Ser Glu Glu Gln Lys His Arg Asn Gly Leu Ser Asn Glu Lys Arg
85 50 55 60
86 Lys Lys Leu Asn His Pro Ser Leu Thr Glu Ser Lys Glu Ser Thr Thr
87 65 70 75 80
88 Lys Asp Asn Asp Glu Phe Met Met Leu Leu Ser Lys Val Glu Lys Leu
89 85 90 95
90 Ser Glu Glu Ile Met Glu Ile Met Gln Asn Leu Ser Ser Ile Gln Ala
91 100 105 110
92 Leu Glu Gly Ser Arg Glu Leu Glu Asn Leu Ile Gly Ile Ser Cys Ala
93 115 120 125
94 Ser His Phe Leu Lys Arg Glu Met Gln Lys Thr Lys Glu Leu Met Thr
95 130 135 140
96 Lys Val Asn Lys Gln Lys Leu Phe Glu Lys Ser Thr Gly Leu Pro His
97 145 150 155 160
98 Lys Ala Ser Arg His Leu Asp Ser Tyr Glu Phe Leu Lys Ala Ile Leu
99 165 170 175
100 Asn
103 <210> SEQ ID NO: 5
104 <211> LENGTH: 4
105 <212> TYPE: PRT
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Nuclear localization sequence of NRIF3
111 <400> SEQUENCE: 5
112 Lys Arg Lys Lys
113 1
115 <210> SEQ ID NO: 6
116 <211> LENGTH: 9
117 <212> TYPE: PRT
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: C-terminus of beta3-endotoxin long form protein

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123 <400> SEQUENCE: 6
124 Gly Gln Pro Gln Met Ser Pro Gln Leu
125 1 5
127 <210> SEQ ID NO: 7
128 <211> LENGTH: 17
129 <212> TYPE: PRT
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: C-terminal peptide of NRIF3
135 <400> SEQUENCE: 7
136 Lys Ala Ser Arg His Leu Asp Ser Tyr Glu Phe Leu Lys Ala Ile Leu
137 1 5 10 15
138 Asn
141 <210> SEQ ID NO: 8
142 <211> LENGTH: 20
143 <212> TYPE: PRT
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: 20-residue peptide of the second LxxLL box of
148 SRC-1
150 <400> SEQUENCE: 8
151 Ser Leu Thr Glu Arg His Lys Ile Leu His Arg Leu Leu Gln Glu Gly
152 1 5 10 15
153 Ser Pro Ser Asp
154 20
156 <210> SEQ ID NO: 9
157 <211> LENGTH: 12
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Idealized inverted repeat
164 <400> SEQUENCE: 9
165 aggtcatgac ct 12
167 <210> SEQ ID NO: 10
168 <211> LENGTH: 13
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <221> NAME/KEY: misc_feature
174 <222> LOCATION: (7)
175 <223> OTHER INFORMATION: DR1 sequence; n represent any nucleotide
177 <400> SEQUENCE: 10
W--> 178 aggtcanagg tca 13

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VERIFICATION SUMMARY

DATE: 09/26/2000

PATENT APPLICATION: US/09/662,052

TIME: 12:01:09

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\09262000\I662052.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:36 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10